

ABSTRACT OF THE DISCLOSURE

A medical device is configured to support two-way communication to remotely monitor and manage medical device parameter status and software. A two-way communication module is incorporated into the medical device. A remote monitoring service is configured to regularly communicate with the medical device to initiate status assessments of medical device parameters and perform software updates. The medical device then sends a return message to the remote monitoring service using the two-way communication network. The return message can include the requested information, parameter values, or information about the software updates. This system can be advantageously used to efficiently monitor a large number of portable or mobile medical devices in a manner that is transparent to the users of the medical devices.